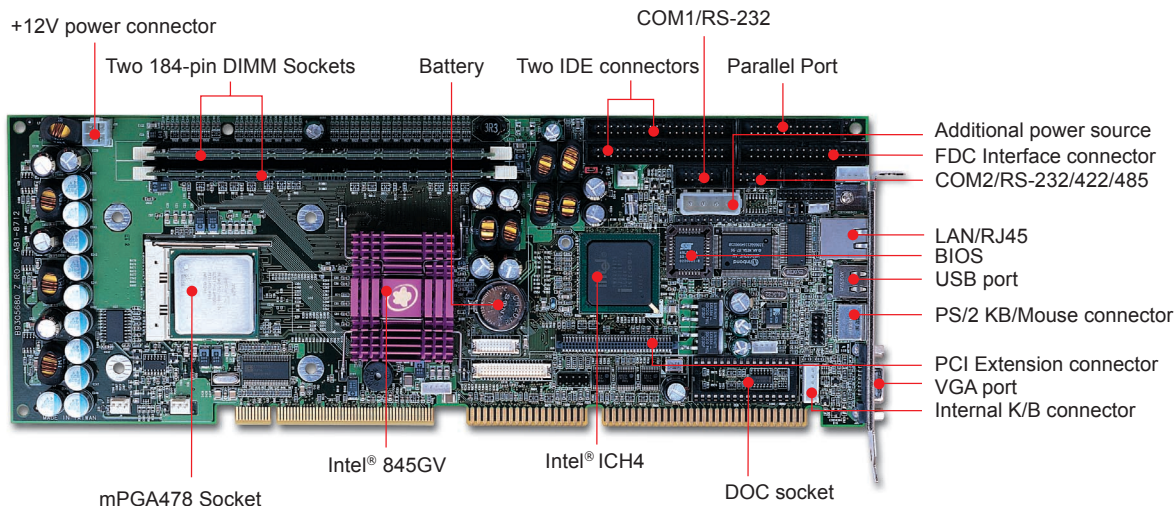


ROBO-8712VLA

Intel® Pentium® 4 or Celeron® processor based PICMG SBC with DDR SDRAM, AGP VGA, Fast Ethernet, Audio and USB 2.0



FEATURES

- High quality and reliable design for wider range Intel® Pentium® 4/Celeron® processor support mission critical operation
- Intel® 845GV chipset with high performance integrated graphics, backed up by Intel® EID's long product life support
- Best cost/performance solution, targeting at most of the industrial applications
- Only the most popular functions integrated on board to keep the best layout trace placement for stability
- Standard features for embedded system deployment like H/W monitoring, WDT, SSD and Wake-On-LAN

GENERAL

Processor	CPU & Package: Intel® Pentium® 4 or Celeron® processor in the mPGA478 package FSB: 533/400MHz
Chipset/Core Logic	Intel® 845GV and ICH4
System Memory	Up to 2GB DDR 333/266/200 SDRAM on two 184-pin DIMM sockets
BIOS	Award BIOS
Storage Devices	Support four EIDE devices with Ultra DMA 100/66/33
Solid State Disk	DOC socket for up to 384MB
Watchdog Timer	System monitor (fan, temperature, voltage)
Expansion Interface	Proprietary PCI connection interface
Hardware Monitoring	System monitor (fan, temperature, voltage)
Power Requirement	Typical: +5V@2.8A; +12V(CPU)@4.0A; +12V(System)@0.8A
Dimension	Dimension : 338.5(L) x 122(W) mm; 13.33"(L) x 4.8" (W) PCB: 8-layer
Environment	Operating Temperature: 0 to 55°C Storage Temperature: -20 to 80°C Relative Humidity: 5% to 90%, non-condensing
MTBF	120,186 hrs

ORDERING GUIDE

Standard	ROBO-8712VLA Socket 478 Pentium® 4 or Celeron® processor based PICMG SBC with DDR SDRAM, AGP VGA, Fast Ethernet, audio and USB 2.0
Optional	ROBO-U160H SCSI extension module with Portwell OmniPCI™ connection interface
	ROBO-N201G Single Gigabit Ethernet port extension module with Portwell OmniPCI™ connection interface
	ROBO-N201G2 Dual Gigabit Ethernet port extension module with Portwell OmniPCI™ connection interface
	ROBO-N100P Single Fast Ethernet port extension module with Portwell OmniPCI™ connection interface
	PA-M1AU Multimedia kit for P4 SBC with audio and USB ports

I/O

MIO	Two serial (selectable RS-232/422/485 x1), one parallel, one FDD channel
IrDA	IrDA 1.0
Ethernet	- 10BASE-T/100BASE-TX Ethernet - IEEE 802.3u auto-negotiation - One RJ-45 connector with two LED indicators
Audio	AC'97 2.2 Audio
USB	Three USB 2.0 ports (one on bracket)
Keyboard & Mouse	- One 6-pin mini-DIN connector for keyboard and mouse - One 5-pin header for external keyboard connection

DISPLAY

Graphic Controller	Intel® GMCH integrated graphics controller
Graphic Memory	Dynamic 8 ~ 64MB shared display memory (Intel® DVMT)
Display Interface	Display resolution up to 2048x1536 @ 60Hz refresh